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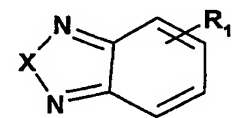
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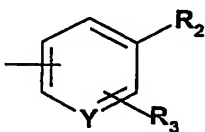
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(54) Title: BENZO[1,2,5]OXADIAZOLES AND BENZO [1,2,5]THIADIAZOLES USEFUL AS HISTOPATHOLOGICAL STAINING AGENTS, IMAGING AGENTS AND BIOMARKERS



(I)



(a)

(57) Abstract: The present invention relates to novel benzo[1,2,5]oxadiazoles and benzo[1,2,5]thiadiazoles of formula (I) wherein X is O or S, R₁ is 5-(2-fluoro-ethylamino)-thiazol-2-yl, 5-(2-¹⁸F-ethylamino)-thiazol-2-yl or a group of formula (a) wherein Y is CH or N, R₂ is NHCH₃, NH¹¹CH₃, N(CH₃)¹¹CH₃, N(CH₃)₂, N(¹¹CH₃)₂, NH(CH₂)_nF, NH(CH₂)_n¹⁸F, N(CH₃)(CH₂)_nF, N(CH₃)-(CH₂)_n¹⁸F, O-(CH₂)_nF, O-(CH₂)_n¹⁸F, CONH(CH₂)_nF or CONH(CH₂)_n¹⁸F (n being in each case 2 to 4) and R₃ is hydroxy, (C1-4)alkoxy, hydrogen or nitro, in free base or acid addition salt form; their preparation, their use as markers in diagnosis and compositions containing them.

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